

Title (en)
DIFFUSE REFLECTION MATERIAL, DIFFUSE REFLECTION LAYER, WAVELENGTH CONVERSION DEVICE AND LIGHT SOURCE SYSTEM

Title (de)
MATERIAL FÜR DIFFUSE REFLEXION, SCHICHT FÜR DIFFUSE REFLEXION, WELLENLÄNGENUMWANDLUNGSVORRICHTUNG UND LICHTQUELLENSYSTEM

Title (fr)
MATÉRIAU DE RÉFLEXION DIFFUSE, COUCHE DE RÉFLEXION DIFFUSE, DISPOSITIF DE CONVERSION DE LONGUEUR D'ONDE ET SYSTÈME DE SOURCE LUMINEUSE

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Application
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Abstract (en)
[origin: EP3244238A1] The present invention discloses a diffuse reflection material, a diffuse reflection layer, a wavelength conversion device and a light source system. The diffuse reflection material includes white scattering particles and an adhesive agent, where the whiteness of the white scattering particles is greater than 85, and the white scattering particles contain high reflection scattering particles with a whiteness of greater than 90, high refraction scattering particles with a refractive index of greater than or equal to 2.0, and high thermal conductivity scattering particles, where the high thermal conductivity scattering particles are boron nitride and/or aluminum nitride particles, and the particle shape of the high thermal conductivity scattering particles is rod-like or flat. The reduction in the thickness of the diffuse reflection layer is realized while keeping a high reflectivity, thus causing the wavelength conversion device to have both a high light efficiency and high heat stability.

IPC 8 full level
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